Abstract:

The invention relates to the treatment of an inflammatory disease, especially an inflammatory rheumatoid or rheumatic disease, and/or pain with an inhibitor of the activity of VEGF receptor tyrosine kinase of the formula I,

wherein

r is 0 to 2,

n is 0 to 3

R₁ and R₂

- a) are independently in each case a lower alkyl;
- b) together form a bridge of subformula I*,

$$(\frac{z_{2}}{Z})_{m}$$
 (I*)

wherein the bond is achieved via the two terminal C atoms and m is 0 to 4, or

c) together form a bridge of subformula I**,

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wherein one or two of the ring members T_1 , T_2 , T_3 and T_4 are nitrogen, and the others are in each case CH, and the bond is achieved via atoms T_1 and T_4 ;

G is -C(=O)-, -CHF-, -CF₂-, lower alkylene, C_2 - C_6 alkenylene, lower alkylene or C_3 - C_6 alkenylene substituted by acyloxy or hydroxy, -CH₂-O-, -CH₂-S-, -CH₂-NH-, -CH₂-O-CH₂-, -CH₂-S-CH₂-, -CH₂-O-CH₂-, -CH₂-, -CH

-CH₂-NH-CH₂-;

A, B, D, E and T are independently N or CH subject to the proviso that at least one and not more than three of these radicals are N;

Q is lower alkyl, lower alkoxy or halogen;

Ra and Ra' are each independently H or lower alkyl;

X is imino, oxa, or thia;

Y is hydrogen, aryl, heteroaryl, or unsubstituted or substituted cycloalkyl; and Z is mono- or disubstituted amino, halogen, alkyl, substituted alkyl, hydroxy, etherified or esterified hydroxy, nitro, cyano, carboxy, esterified carboxy, alkanoyl, carbamoyl, N-mono- or N,N-disubstituted carbamoyl, amidino, guanidino, mercapto, sulfo, phenylthio, phenyl lower alkylthio, alkylphenylthio, phenylsulfinyl, phenyl-lower alkylsulfinyl, alkylphenylsulfinyl, phenylsulfonyl, phenyl-lower alkylsulfonyl, alkylphenylsulfonyl, or (alternatively or, in a broader aspect of the invention, in addition) selected from the group consisting of ureido, halolower alkylthio, halo-lower alkansulfonyl, pyrazolyl, lower-alkyl pyrazolyl and C_2 - C_7 alkenyl; wherein – if more than 1 radical Z ($m \ge 2$) is present – the substituents Z are selected independently from each other;

and wherein the bonds characterized in subformula I* by a wavy line are either single or double bonds;

or an N-oxide of said compound, wherein 1 or more N atoms carry an oxygen atom; or a pharmaceutically acceptable salt thereof;

as well as to new phthalazine derivatives; processes for the preparation thereof; the application thereof in a process for the treatment of the human or animal body; the use thereof for the treatment of a disease, especially a disease caused by ocular neovascularisation, such as age-related macula degeneration or diabetic retinopathy, or other diseases that respond to the inhibition of tyrosine kinases, such as a proliferative disease; a method for the treatment of such disease in mammals; and the use of such a compound for the manufacture of a pharmaceutical preparation for the treatment especially of a disease as mentioned above.